



HOTPLATE MAGNETIC STIRRER LHST-A23

Hotplate Magnetic Stirrer LHST-A23

Hotplate Magnetic Stirrer LHST-A23 is a compact, table-top hotplate stirrer device offers 20 L of capacity with square ceramic glass top plate and Octahedral stir bar having maximum set temperature of 450° C with stirring range of 100 to 1500 rpm respectively. Featuring digital display with knob control, corrosion resistant sealed casing with isolated critical parts design and drainage above control boards ensures convenient and hassle-free usage. Incorporated advanced microprocessor controlling system with 3 PID parameters set and standard PT100 temperature sensor provides quick heating with stable temperature. DC brushless motor along with new enhanced infrared heating element, memory function and high safety protection ensures reliability and stability with easy usage.

FEATURES

- Advanced microprocessor controlling system with 3×PID parameters set and PT100 temperature sensor
- Accurate solution temperature within $\pm 1^{\circ}\text{C}$ in general range
- Octahedral Stir Bar for efficient stirring
- Bright and clear LCD digital display with memory of the last working parameters.
- Square ceramic glass top plate with infrared heating element
- Sealed outer shell and isolated critical parts design with drainage above control board
- Knob control with high safety protection
- Corrosion resistant, chemical resistant and temperature shock resistant ($\geq 700^{\circ}\text{C}$)
- Rapid heating speed with safety temperature and over heat protection
- USB interface with communication
- Reliable, stable and hermetically sealed guarantees long, hassle free and convenient usage

APPLICATIONS

Hotplate magnetic stirrers are used for organic synthesis, extraction, analysis of oil products, pH-measurements, dialysis, soil suspending, preparing buffer solutions etc. across the field of chemical engineering, microbiology, pharmaceuticals, geology, scientific research etc.



SPECIFICATION

Model	LHST-A23
Capacity	20 L
Top plate shape	Square
Top plate material	Glass ceramic
Top plate dimensions (L×B)	180×180 mm
Maximum set temperature (Hot plate)	450° C
Maximum set temperature (with PT100)	300° C
Safety temperature	50° to 500° C (adjustable)
Temperature stability (with PT100)	±2° C
High temperature protection	10° to 50° C (adjustable)
Stirring speed range	100 to 1500 rpm
Timer	1 to 1999/min; continuous
Stir bar	Octahedral stir bar (can change acc. to user requirement)
Motor	DC brushless motor
Heating element	Infrared heating element
Motor power	12 W
Heating capacity	1000 W
Display	Large LCD display
Controller	Microprocessor
PID parameters	3 sets
Temperature sensor	PT100
Control panel	Rotating knobs
Memory function	Stirring speed and setting temperature
Safety Protection system	Flashing high temperature indicator, warning for hurt by touch; Overheating



Sealing	Hermetically sealed from above
Corrosion resistance	Yes
Chemical resistance	Yes
Temperature shock resistance	≥700° C
Drain	Yes (above control board)
Interface and communication	USB; USB (COM)
Power supply	220 VAC/50 Hz
Packing Dimensions (W×D×H)	550×400×420 mm
Gross Weight	13 kg

STANDARD ACCESSORIES

Accessories No.	Accessories Name
1	Plain Stir Bar Length: 30mm, Diameter: 7mm
2	Plain Stir Bar Length: 40mm, Diameter: 8mm
3	DGM

